

Title (en)  
SPEED REDUCER

Title (de)  
DREHZAHLMINDERER

Title (fr)  
RÉDUCTEUR DE VITESSE

Publication  
**EP 3763968 A1 20210113 (EN)**

Application  
**EP 20183443 A 20200701**

Priority  
JP 2019127614 A 20190709

Abstract (en)  
A speed reducer (1) according to one embodiment of the invention includes a carrier (24) having a recess (50) therein, a crankshaft (12) disposed in the recess (50), and a stopper (60) that is disposed on a bottom surface (51) of the recess and prevents the crankshaft (12) from moving in a direction along a rotation shaft (A2) of the crankshaft (12) toward the bottom surface (50).

IPC 8 full level  
**F16H 1/28** (2006.01)

CPC (source: CN EP KR US)  
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Citation (applicant)  
• JP H05180278 A 19930720 - SUMITOMO HEAVY INDUSTRIES  
• JP 2016130536 A 20160721 - NABTESCO CORP

Citation (search report)  
• [XDI] JP 2016130536 A 20160721 - NABTESCO CORP  
• [XAI] DE 102011109191 A1 20120209 - SUMITOMO HEAVY INDUSTRIES [JP]  
• [I] JP 2014119101 A 20140630 - NABTESCO CORP

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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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**EP 20183443 A 20200701**; CN 202010652441 A 20200708; JP 2019127614 A 20190709; KR 20200083870 A 20200708; TW 109119266 A 20200609; US 202016918834 A 20200701